

VOL.  
1

# CYBORG GAZZETTE

'82  
NOV.

ISSUE  
2

A MONTHLY NEWSLETTER OF  
OBVIOUS BIAS, PRIMARILY **BUT NOT**  
**EXCLUSIVELY** DEVOTED TO THE  
**COMMODORE 64**

1

PAGE

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CYBERTECH

BENN DUNNINGTON  
AUBURN, WA. (206) 939-2274

SEARCH TERM: CYBERNETIC

WORLD BOOK

PAGE WBE-42099

CYBERNETICS, PRONOUNCED SY-BUR-NEEKS, IS A BRANCH OF SCIENCE THAT DEALS WITH CONTROL MECHANISMS AND THE TRANSMISSION OF INFORMATION. ITS NAME COMES FROM A GREEK WORD MEANING STEERSMAN. THE WORD CYBERNETICS WAS ADOPTED BY THE AMERICAN MATHEMATICIAN NORBERT WIENER, WHO WROTE CYBERNETICS (1948).

WIENER NOTED THAT THE MEANS FOR

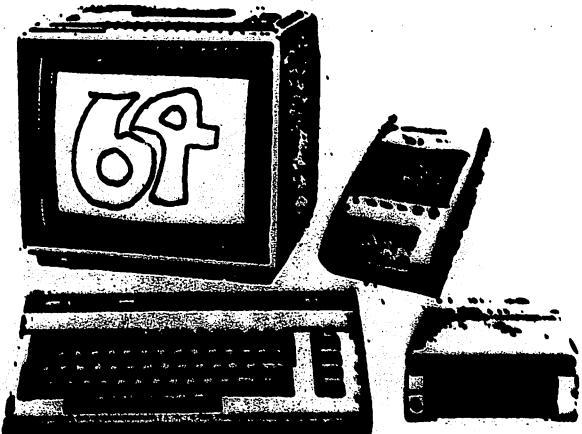
INTERNAL CONTROL AND COMMUNICATION IN AN ANIMAL, SUCH AS ITS NERVOUS SYSTEM, WERE SIMILAR TO THOSE IN A MACHINE. HE ALSO REALIZED THAT BIOLOGISTS WHO STUDIED ANIMALS, AND ENGINEERS WHO DESIGNED AUTOMATIC CONTROL EQUIPMENT, DID NOT USUALLY KNOW EACH OTHER'S FIELDS OF WORK. HE PROPOSED THAT CONTROL AND COMMUNICATION IN BOTH FIELDS BE STUDIED TOGETHER AS THE SCIENCE OF CYBERNETICS.

AN IMPORTANT PART OF CYBERNETICS IS THE STUDY OF FEEDBACK. IF THE PATH OF A GUIDED MISSILE IS NOT WHAT IT IS SUPPOSED TO BE, OR IF THE BODY TEMPERATURE OF A PERSON IS TOO HIGH OR TOO LOW, INFORMATION CONCERNING THE ERROR IS FED BACK TO THE CONTROLLING DEVICE, WHICH THEN ACTS TO CORRECT THE ERROR.

SEE ALSO AUTOMATION (FEEDBACK); COMPUTER; INFORMATION THEORY; WIENER, NORBERT.

## CONTENTS

- > APPLE LOADER UPDATE
- > REVIEW: TOTL SOFTWARE
- > REVIEW: MICRO-ED
- > COMPUTER PARTY EXPLAINED
- > SOFTWARE RUNDOWN
- > HARDWARE RUNDOWN
- > MANUAL UPDATE
- > ODDS AND ENDS



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## HARDWARE RUNDOWN

MFCTR. AVAIL.

\* 64 ----- 595.00 COMMODORE NOW  
[INCLUDES YOUR CHOICE OF ① TOTL  
SOFTWARE SELECTION  
OR DELUXE PROGRAMMER'S MANUL  
(VALUES TO 35.00) FREE]

1541 ----- 395.00 COMMODORE NOW  
[DISK-DRIVE]

1525 ----- 395.00 COMMODORE NOW  
[GRAPHICS PRINTER]

VICMDEM ----- 109.00 COMMODORE NOW  
[NETWORKS/BULLETIN BOARDS]

DATASETTE ----- 75.00 COMMODORE NOW  
[ECONOMY MASS STORAGE]

MT-160 ----- 990.00 TALLY NOW  
[CORR. QUALITY DOT-MATRIX PRINTER]

CARDETTE ----- 29.95 CARDCO NOW  
[UNIVERSAL CASSETTER INTFC.]

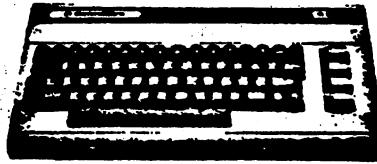
CARD?" ----- 79.95 CARDCO NOW  
[UNIVERSAL PARALLEL PRINTER INTFC.]

CARDITER ----- 29.95 CARDCO NOW  
[LIGHTPEN W/ SOFTWARE]

IEE INTERFACE --- 89.95 COMPUTER  
RS232 INTERFACE --- 49.95 SPCIES  
AMdek MONITORS --- CALL ----- NOW

## COMMODORE 64™

\$595.00



### Memory:

• 64 K of RAM \$9 FREE FOR BASIC  
\$3 FREE FOR M.L.

Features:

- Basic 2.0
- VIC Serial bus.
- 40 col. x 25 line screen display
- User supplied color monitor or TV
- Music synthesizer produces 3 independent voices, each with a range of 9 octaves
- 4 waveforms are available: sawtooth, triangle, variable pulse and noise
- 4 programmable function keys
- Uses 6510 microprocessor
- Optional Z80 microprocessor to allow CP/M® compatibility
- 16 text colors
- 8 independently moveable sprites for "3-D graphics"
- Range of business software
- Optional IEEE-488 cartridge

CP/M® is a registered trademark of Digital Research, Inc.



VIC 1800 Vmodem  
Telephone Interface Card

VOL.  
1

ISSUE  
2

# CYBORG GAZZETTE

'82  
NOV.

3

PAGE

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## SOFTWARE RUNDOWN

=====

EASY FILE-----99.95 COMMODORE  
[DATABASE]

EASY SCRIPT-----99.95 COMMODORE  
[WORDPROCESSOR]

## EDUCATIONAL

PACKAGE:-----250.00 COMMODORE  
[600 PRGRAMS  
ON DISK]

PET EMULATOR-----29.95 COMMODORE  
[RUN PET SOFTWARE]

WORDNAME-----29.95 COMMODORE  
[SIMPLE W.P. AND  
MAILING LIST]

MAILMATE-----49.95 COMMODORE  
[FULL-FEATURED  
MAILING LIST]

EASYLESSON-----39.95 COMMODORE  
[CREATE TESTS  
AND QUIZZES]

AVENGER-----39.95 COMMODORE  
[GAME CARTRIDGE]

JUPITER LANDER--29.94 COMMODORE  
[GAME CART.]

ROAD RACE-----29.95 COMMODORE  
[GAME CART.]

OMEGA RACE-----29.95 COMMODORE  
[GAME CART.]

EASY CALC.-----99.95 COMMODORE  
[SPREADSHEET]

EASY PLOT -----79.95 COMMODORE DEC.  
[CHARTS AND GRAPHS]

EASY SCHEDULE---79.95 COMMODORE DEC.  
[TIME MANAGER]

EASY FINANCE---49.95 COMMODORE DEC.  
[ANALYZE FINANCIAL OPPORTUNITIES]

TOTL.TEXT 2.6---35.00 TOTL  
[WORD PROCESSOR]

TOTL.TIME -----25.00 TOTL  
[TIME MANAGER]

TOTL.LABEL -----20.00 TOTL  
[MAILING LIST]

YOUR FILING SYSTEM  
SOOREATING-----49.00 BODDENNS  
NOV. 15 [MINI DBMS]

KTERM-----14.95 KATTWINKEL  
[SMART TERMINAL  
W/EDITOR, DOWNLOADING]

ALSO COMING, BUT I DON'T KNOW

NOV. 15 WHEN OR HOW MUCH, ARE:

NOV. 15 • EXTENDED GRAPHICS/MUSIC/SPRITE  
CARTRIDGE

NOV. 15 • PLUG-IN PIANO KEYBOARD w/ SOFTWARE

NOV. 15 • CPM CARTRIDGE

DEC. 1 • MORE GAMES

VOL.  
1

ISSUE  
2

# CYBORG GAZZETTE

'82  
NOV.

4

PAGE

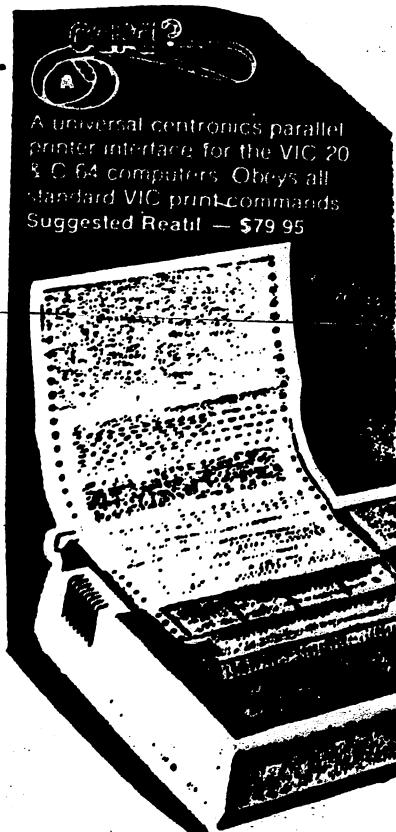
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## Product Preview

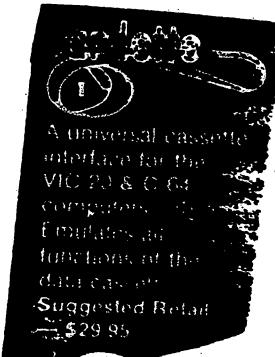
IN ADDITION TO THE FINE  
PRODUCTS PICTURED HERE,  
CARDCO IS WORKING ON THE  
FOLLOWING:

10-KEY PAD \$30.00

DIGITIZER TABLET \$50.00

ADVANCED D.O.S. \$50.00

BIOFEEDBACK Peripheral - N.A.  
LOOK FOR THESE IN ABOUT 1 MONTH.



CARDCO IS ALSO WORKING  
ON A PROJECT WITH  
STAR MICRONICS TO  
PROVIDE A ROM FOR  
THEIR EPSON MX-80-EQUIVALENT  
PRINTER (AT 1585 PRICES)  
THAT WILL ALLOW COMPLETE  
GRAPHICS CHARACTER SET.



VOL.  
1

ISSUE  
2

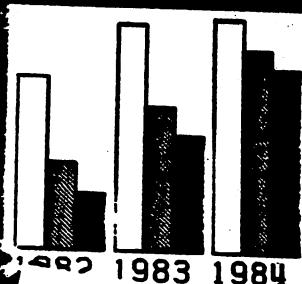
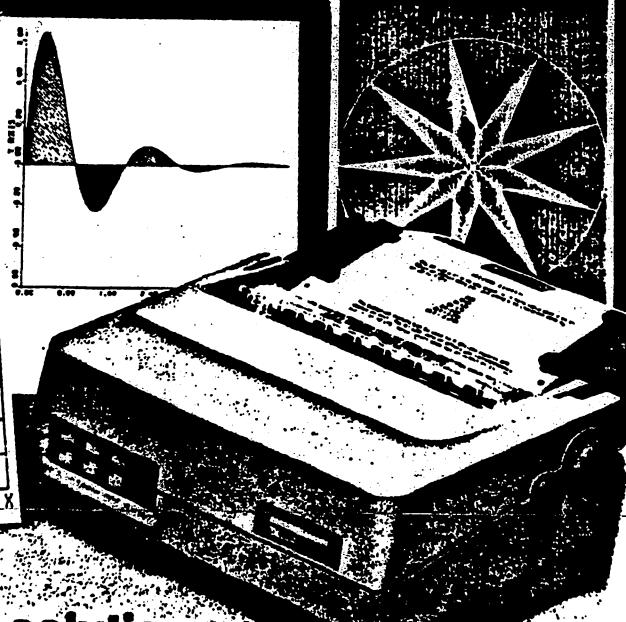
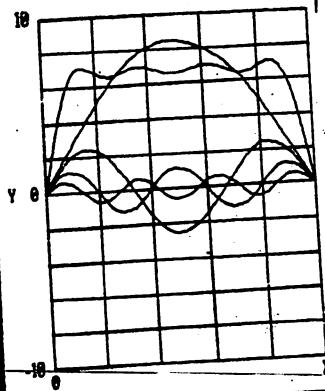
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**COMMODORE 64**

'82  
NOV.

5

PAGE



**The  
one machine solution  
to every application.**

**For word processing, plotting  
and just plain printing.**

Save the expense of a costly daisy wheel. Eliminate the limited capability of cheap matrix printers. And get plotting in the process! Get the all new, advanced MT 160 multi-functional micro printer. You'll be amazed that such a small printer can house so much horsepower.

Capability? You name it, this printer's got it. A resident Report Package puts you in the Word Processing world... letter quality characters, proportional spacing, margin justification, and centering. A resident Graphics Package

lets you plot whatever your micro wants to portray. The standard print mode lets you generate reports fast—speeds up to 200 lines per minute. Also, print eight different resident character widths.

There's more. Clip-on paper handling attachments let you use fan-fold forms, letterhead, cut sheets or continuous roll paper. The control panel has a "menu editor" for machine configuration. When you look under the hood, you'll see what's meant by "solid state design". And the MT 160

is plug compatible to your micro.

In short, the MT 160 is the epitome of engineering excellence. And it should be. After all, Mannesmann Tally is the technology leader in micro printing.

**MANNESMANN  
TALLY**

990-211

ADD 60¢ FOR TRADE PRICE

VOL.  
1

ISSUE  
2

# CYBORG GAZZETTE

'82  
NOV.

6

PAGE

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AUBURN, WA. (206) 939-2274

----- RATING KEY -----

- \*\*\*\*\* BEST PROGRAM OF ITS TYPE
- \*\*\*\* EXCELLENT VALUE, RECOMMENDED
- \*\*\* DECENT-NO BUGS, LACKS INSPIRATION
- \*\* SORT OF WORKS, BUT WHO CARES
- ♦ RIP-OFF OR ULTRA-DOG

=====

TOTL SOFTWARE  
P.O. BOX 4742  
WALNUT CREEK, CA. 94596

(415) 943-7877

=====

=====

I RECEIVED TOTL.TIME / TOTL.TEXT 2.6 /  
AND TOTL.LABEL 2.0/ THESE ARE ALL VERY  
GOOD PACKAGES FOR THE MONEY. FEATURES:

- 1) MENU DRIVEN
- 2) EASY AND LOGICAL TO USE
- 3) VERY WELL DOCUMENTED
- 4) QUICK DELIVERY
- 5) GOOD FOLLOW-UP AND SUPPORT
- 6) BOTH DISK AND CASSETTE VERSIONS  
SUPPORTED IN SAME PROGRAM.
- 7) FUNCTIONAL USE OF COLOR
- 8) ALL RUN SMOOTHLY ON 64 WITH ALL  
PERIPHERALS SUPPORTED.

THE FOUR-STAR RATING IS BECAUSE YOU  
COULD FIND A BETTER WORD-PROCESSOR  
FOR THE 64 BUT YOU WILL VERY  
RARELY FIND BETTER EXECUTION OF AS  
USEFUL A PRODUCT FOR A GIVEN TASK AT  
SUCH A GOOD PRICE. SEE BROCHURE COPY  
ELSEWHERE IN THIS ISSUE FOR DESCRIPTION  
AND PRICES.

ANN PALMER-MCCARTY IS TO BE  
COMMENDED FOR HER EXEMPLARY PRODUCT.

## TURKEY ALERT !!!

### "DATA MANAGER SYSTEM"

THIS \$60<sup>00</sup> DATA BASE MANAGER  
WAS ORDERED BY A LOCAL USER —  
IT HAS SERIOUS BUGS, AND THE  
MANUFACTURER, MICROSPEC LTD.,  
PLANO TEXAS, HAS NOT RESPONDED  
SATISFACTORILY. DON'T ORDER THIS  
PRODUCT. (THANKS LOREN)

=====

### MICRO-ED INC.

\*\*\*  
P.O. BOX 24156  
MINNEAPOLIS, MINN. 55424  
(612) 926-2292

=====

THESE FOLKS WILL SEND YOU A FREE CATA-  
LOG OF ABOUT 150 EDUCATIONAL PROGRAMS.  
PRICES AVG. 7.95-14.95. I ORDERED TWO:  
THE ATOM (AN INTRO TO THE PARTS OF AN  
ATOM WITH A QUIZ AT THE END)  
BRANDED (AN ELEMENTARY LOOK AT FRACT-  
IONS)

WHILE BOTH OF THESE PROGRAMS RAN SMOOTH-  
LY, THEY LACKED IMAGINATION AND DID NOT  
INVITE REPEATED USE (ONE OF MY CRITERIA  
FOR MORE THAN THREE STARS).

THEY TOOK A LONG TIME GETTING HERE  
(PERHAPS BECAUSE I PAID IN ADVANCE) AND  
SO I MAY HAVE BEEN EXPECTING QUALITY AS  
COMPENSATION. IT IS POSSIBLE THAT  
OTHER SELECTIONS MIGHT BE BETTER, BUT  
I HAD THE GENERAL FEELING THAT THESE  
WERE ALL PET RE-WRITES WITH NO UTILI-  
ZATION OF THE 64'S SPECIAL CAPABILITIES

VOL.  
1

# CYBORG GAZETTE

•82  
NOV.

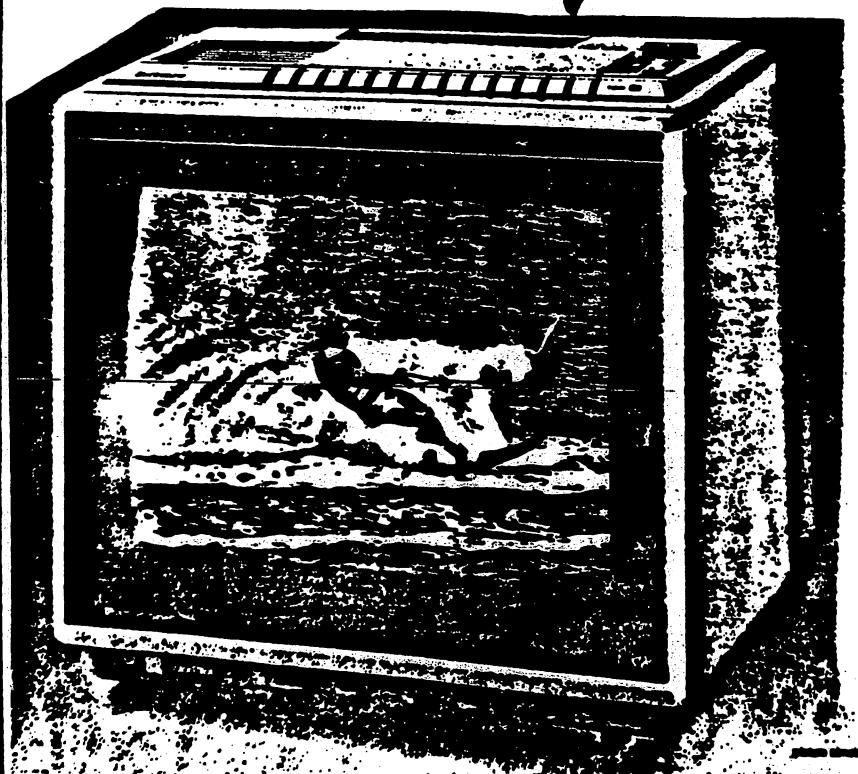
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WHY BUY JUST  
A T.V. OR JUST  
A MONITOR ??  
GET BOTH FOR ABOUT  
THE SAME PRICE  
AS ONE

← 420<sup>00</sup>

# EXCELLENT DISPLAY WITH CBM-641

OTHER SIZES AVAILABLE

CT-1112

## 10" Diagonal Color Portable TV with 14-Position Electronic Tuner and Video Monitor Operation

- **Coloris II** in-line picture tube
- ColorIS active electronic shutter automatically adjusts the color picture to acoustic frequencies
- 16-position electronic picture-tube timer eliminates mechanical controls
- Video monitor operation
- 7 digital/audio input jacks for video tape recorder, video disc, video game or frame computer
- Picture-tube control panel
- 100% anti-static glass

- Penlite control
- Sharpness control
- Pan/tilt automatic fine tuning
- Molded carrying handle
- Detachable VHF dipole and UHF loop antennas
- SATV/Motor antenna control
- Superb monochrome picture
- Limited field coverage
- 110VAC = 110VAC = 110VAC



2 SETS OF  
DIRECT VIDEO  
AND AUDIO  
INPUTS

VOL.  
1

ISSUE  
2

# CYBORG GAZZETTE

'82  
NOV.

8

PAGE

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Two PLACES IN SOUTH KING COUNTY  
TO BUY MAGAZINES, BOOKS, MAGNETICS:

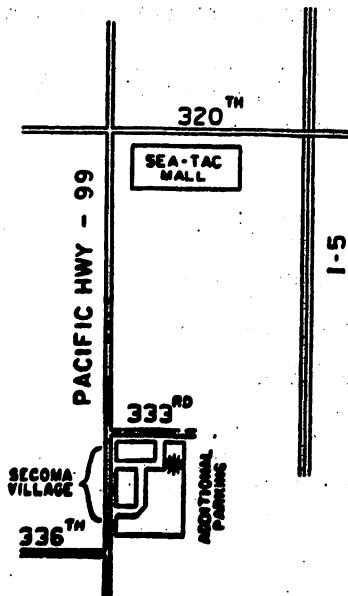
(206) 838-9570

**Compu•play**

*Quality Software at Discount Prices*

Secoma Village  
33310 Pacific Hwy. S.  
Federal Way, WA 98003

Kevin C. Mitchell  
Owner



CREATIVE  
COMPUTERS

1415 W. MEEKER  
KENT, WA. 98031

854-7629

VOL.  
1

# CYBORG GAZZETTE

'82  
NOV.

9

PAGE

ISSUE  
2

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## APPLE LOADER UPDATE

FIRST THE BAD NEWS: THE PRODUCT HAS BEEN DELAYED TILL JANUARY. THIS DUE TO ILLNESS OF THE MAIN ENGINEER ON THE PROJECT ACCORDING TO COMPUTER WORKS. DON'T SEND MONEY TO ANYONE FOR THIS PRODUCT UNTIL YOU SEE ONE OR SEE A REVIEW OF ONE.

NOW THE GOOD (?) NEWS: A USER ON THE COMPUSENTRY NETWORK VOUCHES FOR COMPUTER WORKS- SAYS HE DOES BUSINESS THERE AND IS VERY PLEASED AND IMPRESSED WITH THE PERSONNEL, SO ....WHO KNOWS.

I'LL SURE LET YOU ALL KNOW IF SOMETHING MORE DEVELOPES ON THIS ONE.

BENN

## MANUAL UPDATE

DARN! THE 400 + PAGE "BIBLE" HAS BEEN DELAYED AGAIN TILL DECEMBER. THE ONLY CONSOLATION IS THAT I HAVE IT ON GOOD AUTHORITY - IT WILL BE WORTH THE WAIT!

ENDORSED BY CYBORG

FOR SALE: KTERM  
A SMART TERMINAL PROGRAM  
FOR THE COMMODORE 64 AND VICMDEM  
FEATURES:

1. SAVE MODE - STORES DATA RECEIVED FROM THE MODEM INTO MEMORY. CHARACTERS ARE NOT LOST OR GARBBLED. SAVED DATA CAN BE RECORDED TO TAPE, DISPLAYED, AND/OR PRINTED.

2. KEEP/DISCARD FEATURE - ALLOWS YOU TO DECIDE AFTER YOU HAVE READ A MESSAGE WHETHER YOU WANT TO SAVE IT.

3. SUBMIT FUNCTION - ALLOWS QUICK ENTRY OF TEXT PREPARED OFFLINE, BY ED39 OR OTHER EDITOR.

4. CONTROL KEYS - GENERATED WITH THE CTRL KEY. FLEXIBLE KEY TRANSLATION.

5. KEYCLICK - AUDIBLE FEEDBACK FOR ACCURATE KEYING.

ALSO INCLUDED: ED39, A FULL SCREEN EDITOR WHICH USES INSERT, DELETE, AND ARROW KEYS LIKE BASIC.

THE KTERM PACKAGE INCLUDES FULL DOCUMENTATION AND IS AVAILABLE ON CASSETTE FOR \$14.95 FROM:

KATTWINKEL COMPUTING  
120 14TH ST. S.E. APT. 2002  
SEATTLE, WA 98102

VOL.  
1

ISSUE  
2

# CYBORG GAZZETTE

'82  
NOV.

10

PAGE

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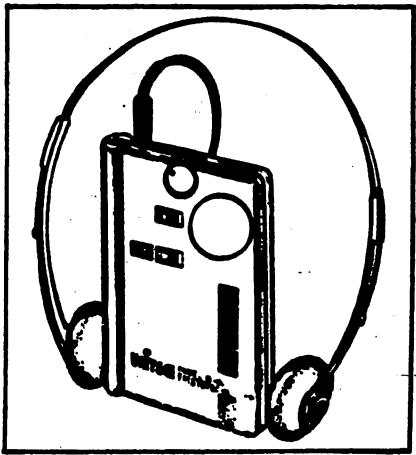
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## COMPUTER PARTY

FREE GIFT



★ ITS FUN

★ ITS EDUCATIONAL

★ YOUR CHANCE TO TRY-OUT,

EXAMINE, PLAY WITH THE  
BEST HOME COMPUTER EQUIPMENT

AVAILABLE TODAY IN YOUR HOME

UNITECH ULTRA-THIN  
FM STEREO W/ HEADPHONES

★ NO OBLIGATION

★ DUMB QUESTIONS WELCOME (& ANSWERED!)

★ FREE GIFT FOR QUALIFYING HOST(ESS)

★ BOOK YOUR PARTY SOON - CALL FOR MORE INFO

[SPECIAL ARRANGEMENTS FOR CLUBS, SCHOOLS, ETC.]

VOL.  
1

ISSUE  
2

# CYBORG GAZZETTE

'82  
NOV.

11

PAGE

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## WHY BUY FROM CYBERTECH?

- \* FREE SOFTWARE OR PERIPHERAL WITH CBM-64
- \* I own A 64, MOST DEALERS JUST SELL THEM.
- \* I TEST EACH COMPUTER EXTENSIVELY BEFORE RESALE  
IN ADDITION TO HONORING FULL FACTORY WARRANTY
- \* I AM CONSTANTLY IN TOUCH WITH COMMODORE, AND  
SOME OF THE MOST KNOWLEDGEABLE USERS IN THE  
COUNTRY... I PASS ON THE BEST INFO TO YOU.
- \* HOTLINE - CALL ME ANY EVENING TILL 10 P.M. -  
ALL DAY WEEKENDS. (IF NECESSARY  
I WILL COME TO YOUR HOUSE TO ASSIST  
IN MAKING YOUR SYSTEM WORK RIGHT FOR YOU.)
- \* NEWSLETTER - THIS MAY NOT ALWAYS BE FREE  
(UNLESS YOU ARE A CLIENT OF CYBERTECH)
- \* ADVANCE PRODUCTS AND INFO - I HAVE AN INSIDE  
TRACK WITH COMMODORE AND SEVERAL VENDORS. -  
I OFTEN HAVE PRODUCTS OR INFO THAT OTHER  
DEALERS CAN'T GIVE YOU AT ANY PRICE.

CALL CYBERTECH BEFORE YOU BUY